

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

EFS ID: 14544  
Application ID: 10063277  
Title of Invention: EARPHONE DETECTION CIRCUIT  
First Named Inventor: Chan-Li Liang  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-04-08  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: NONE  
Digital Certificate Holder: cn=Belinda Lee, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US  
Certificate Message Digest: QKKWgsGsXNeObfmowz2IYw==  
Total Fees Authorized: \$780.0  
Payment Category: CC - Credit Card  
Credit Card Number: \*\*\*\*\*1001  
Expiration Date: 04302003  
Card Holder Name: Yeh, Wen Hung  
RAM User ID: EFSPROD  
RAM Accounting Date: null  
RAM Sequence Number: 0  
RAM Payment Status: RAM Fail: Invalid length for CC Zip Code.  
Postal Code: 100

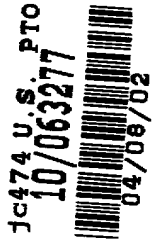


# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent Filing



## EARPHONE DETECTION CIRCUIT

First Named Inventor: Mr. Chan-Li Liang

### SUBMITTED BY

Name: Dr. Belinda Lee  
Registration Number: 46,863  
Electronic Signature Mark: /Belinda Lee/  
Date Signed: 20020408

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	8740declaration1.tif
declaration	8740declaration2.tif
specification	8740usf.xml
patent-assignments	8740usasgn.xml
fee-transmittal	8740usfee.xml
bibd-transmittal	8740usapds.xml

8740declaration2.tif

Year	Sex	Age	Weight (kg)	Length (cm)	Heart weight (g)	Heart weight (% of body weight)
1961	Male	Adult	1.2	10.5	0.15	1.2
1962	Female	Adult	1.1	10.2	0.14	1.2
1963	Male	Adult	1.3	10.8	0.16	1.2
1964	Female	Adult	1.2	10.5	0.15	1.2
1965	Male	Adult	1.4	11.0	0.17	1.2
1966	Female	Adult	1.3	10.8	0.16	1.2
1967	Male	Adult	1.5	11.2	0.18	1.2
1968	Female	Adult	1.4	11.0	0.17	1.2
1969	Male	Adult	1.6	11.5	0.19	1.2
1970	Female	Adult	1.5	11.2	0.18	1.2
1971	Male	Adult	1.7	11.8	0.20	1.2
1972	Female	Adult	1.6	11.5	0.19	1.2
1973	Male	Adult	1.8	12.0	0.21	1.2
1974	Female	Adult	1.7	11.8	0.20	1.2
1975	Male	Adult	1.9	12.2	0.22	1.2
1976	Female	Adult	1.8	12.0	0.21	1.2
1977	Male	Adult	2.0	12.5	0.23	1.2
1978	Female	Adult	1.9	12.2	0.22	1.2
1979	Male	Adult	2.1	12.8	0.24	1.2
1980	Female	Adult	2.0	12.5	0.23	1.2

**Comments:**

NAME	AGE	SEX	REL	DATE	TIME	PLACE	REMARKS
WILLIAM	21	M	SON	1900	10	100	100
JOHN	19	M	SON	1900	10	100	100
MARY	17	F	DAUGHTER	1900	10	100	100
ELIZABETH	15	F	DAUGHTER	1900	10	100	100
CHARLES	13	M	SON	1900	10	100	100
FRANK	11	M	SON	1900	10	100	100
EDWARD	9	M	SON	1900	10	100	100
JOHN	7	M	SON	1900	10	100	100
MARY	5	F	DAUGHTER	1900	10	100	100
ELIZABETH	3	F	DAUGHTER	1900	10	100	100
CHARLES	1	M	SON	1900	10	100	100
FRANK	1	M	SON	1900	10	100	100
EDWARD	1	M	SON	1900	10	100	100
JOHN	1	M	SON	1900	10	100	100
MARY	1	F	DAUGHTER	1900	10	100	100
ELIZABETH	1	F	DAUGHTER	1900	10	100	100
CHARLES	1	M	SON	1900	10	100	100
FRANK	1	M	SON	1900	10	100	100
EDWARD	1	M	SON	1900	10	100	100
JOHN	1	M	SON	1900	10	100	100
MARY	1	F	DAUGHTER	1900	10	100	100
ELIZABETH	1	F	DAUGHTER	1900	10	100	100
CHARLES	1	M	SON	1900	10	100	100
FRANK	1	M	SON	1900	10	100	100
EDWARD	1	M	SON	1900	10	100	100
JOHN	1	M	SON	1900	10	100	100
MARY	1	F	DAUGHTER	1900	10	100	100
ELIZABETH	1	F	DAUGHTER	1900	10	100	100
CHARLES	1	M	SON	1900	10	100	100
FRANK	1	M	SON	1900	10	100	100
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MARY	1	F	DAUGHTER	1900	10	100	100
ELIZABETH	1	F	DAUGHTER	1900	10	100	100
CHARLES	1	M	SON	1900	10	100	100
FRANK	1	M	SON	1900	10	100	100
EDWARD	1	M	SON	1900	10	100	100
JOHN	1	M	SON	1900	10	100	

## COMBINED DECLARATION AND POWER OF ATTORNEY

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name and that I believe I am an original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### EARPHONE DETECTION CIRCUIT

the specification of which

X is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_

as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Number	Country	Date Filed(yyyy/mm/dd)	Yes	No
91102578	Taiwan, R.O.C.	2002/2/15	X	

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

**Belinda Lee** (Reg. No. 46,863)  
**Jiawei Huang** (Reg. No. 43,330)  
**Charles C.H. Wu** (Reg. No. 39,081)

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:  
(Name and telephone number)

JIANQ CHYUN Intellectual Property Office  
7F.-1, No. 100, Roosevelt Rd., Sec. 2,  
Taipei 100, Taiwan, R.O.C.

**Belinda Lee**

886-2-2369 2800

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Signature: Chan-Li Liang Date: 2002, 3, 13

Sole or First Joint Inventor: Chan-Li Liang

Citizenship: Taiwan, R.O.C.

Residence and Post Office Address: No.353-3, Lin 8, Su-tso Tsun, An-ting Hsiang, Tai-nan Hsien,  
Taiwan, R.O.C.

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 780**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 1001  
Expiration Date: 20030430  
Authorized Name: Yeh, Wen Hung  
Billing Address: 100

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 12	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40